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DATE MAILED: 03/25/2010

# NOTICE OF ALLOWANCE AND FEE(S) DUE

24201 7590 03/25/2010
FULWIDER PATTON LLP
HOWARD HUGHES CENTER
6060 CENTER DRIVE, TENTH FLOOR

LOS ANGELES, CA 90045

EXAMINER
HOUSTON, ELIZABETH
ART UNIT PAPER NUMBER

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/661,406	09/12/2003	Patrick P. Wu	ENDOS 64190	6647		
TITLE OF INVENTION: DELIVERY SYSTEM FOR MEDICAL DEVICES						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$1510	\$1510	06/25/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

# HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

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34201 7590 99252010 FULWIDER PATTON LLP HOWARD HUGHES CENTER 6060 CENTER DRIVE, TENTH FLOOR					nave its own certificate or maning or transmission.  Certificate of Multing or Transmission  I hereby certify that this Fee(s) Transmital is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPIO (21) 273-2888, on the date indicated belto with the Computer of					
LOS ANGELES,	, CA 90045									(Depositor's name)
										(Signature)
										(Date)
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nonprovisional	NO		\$1510	\$0		\$1510		\$1510		06/25/2010
EXAMI	NER		ART UNIT	CLASS-SUBCLASS						
HOUSTON, E			373I	623-001110						
"Fee Address" indi- PTO/SB/47; Rev 03-02 Number is required.  3. ASSIGNEE NAME AN	ordence address (or Cha v/122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DATA cass an assignee is ident in 37 CFR 3.11. Comp	nge of 'Indica ed. Use	Correspondence ation form e of a Customer E PRINTED ON T		ip to nativ single or a attor il be p or typ he pa	3 registered paten ely, e firm (having as a gent) and the nam neys or agents. If printed. e) ttent. If an assign assignment.	memb es of u no nan	er a 2p to p to le is 3		has been filed for
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	SMALL ENTITY state	s. See	37 CFR 1.27.					FITY status. See 37 Cl		
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HOWARD HUG		ART UNIT	PAPER NUMBER				
6060 CENTER I LOS ANGELES	RIVE, TENTH FLOOF CA 90045	3731 DATE MAILED: 03/25/2010					

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 534 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 534 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

#### Application No. Applicant(s) 10/661,406 WU ET AL. Notice of Allowability Examiner Art Unit ELIZABETH HOUSTON 3731

ELID ID	2111110001011
The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other MOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. Tof the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
<ol> <li>This communication is responsive to <u>01/11/10 response to non-final</u></li> </ol>	
2. The allowed claim(s) is/are 2.4,6-9,13 and 15-25.	
Acknowledgment is made of a claim for foreign priority under 35 U     a)	seived. seived in Application No
* Certified copies not received:	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this conceed below. Failure to timely comply will result in ABANDONMENT of the THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason</li> </ol>	
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be subr  (a) ☐ including changes required by the Notice of Draftsperson's Pate  1) ☐ hereto or 2) ☐ to Paper No./Mail Date	ont Drawing Review ( PTO-948) attached ment / Comment or in the Office action of build be written on the drawings in the front (not the back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIG attached Examiner's comment regarding REQUIREMENT FOR THE</li> </ol>	
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance
	9. Other
/E. H./ Examiner, Art Unit 3731	/Todd E Manahan/ Supervisory Patent Examiner, Art Unit 3734

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# Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: There is no prior art alone or in combination that discloses a delivery catheter with a control handle having all the claimed features including a spur gear that directly engages the gears of a gear rack and a rotatable thumbwheel attached to an actuating gear which engages the spur gear to cause the gear rack to move and a means for allowing motion of the gear rack in only one direction is a spring having an edge which contacts the distal surface of the gears forming the gear rack to prevent distal movement of the gear rack.

2. The closest art of record: Kaveltadze (US 5,707.376) which teaches a control handle with a thumbwheel, gears and a gear rack but does not teach means for allowing motion in only one direction that is a spring. Kalvetadze teaches away from modifying the device to have such a feature since it teaches the desire to reverse the direction to retract the stent into the outer member passage should the stent not be properly located (C7:L39-44). Randall (6,541,261) teaches a control handle with a thumbwheel, gears and a gear rack but does not teach means for allowing motion in only direction that is a spring. Since Randall's gear rack is a screw that rotates, the modification of a spring mechanism would not prevent the gear rack from distal movement. There is no reason to modify the screw gear rack to meet the limitations of the claimed invention without the use of impermissible hindsight. Sullivan teaches a control handle that uses a trigger actuator and an intermediate element (82) to assist in moving the gear rack (84) and so the spur gear would not directly engage the gear rack. There would be no reason to modify the device without impermissible hindsight. In conclusion, although certain

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features were specifically pointed out as being novel over the prior art, it is noted that the reasons for allowance rely on not just one individual feature but rather the combination of all the claimed features.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ELIZABETH HOUSTON whose telephone number is (571)272-7134. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anhtuan Nguyen can be reached on 571-272-4963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/E. H./ Examiner, Art Unit 3731 Application/Control Number: 10/661,406 Page 4

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/Todd E Manahan/ Supervisory Patent Examiner, Art Unit 3734